

ABSTRACT

An application program is executed and is easily made reusable by dividing the application program into processing units, and by creating a logical circuit in the reconfigurable hardware by switching so as to improve the processing speed at low cost. The electronic computer comprises a processing device 70. The processing device 70 includes a processor 90 having reconfigurable hardware that can create a logical circuit with a program and a memory unit 80 storing a program used to decide creation of a logical circuit of the processor 90. The electronic computer further comprises a control device 60 that executes a command specified by the processing device 70. The processor 90 issues an instruction to execute the command when the processing device 70 detects a predetermined condition. The commands include a command that replaces the program stored in the memory unit 80 and a command that switches effective program data memories when the memory unit 80 is configured by a plurality of program data memories 81.